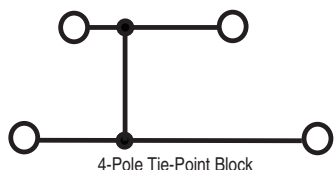


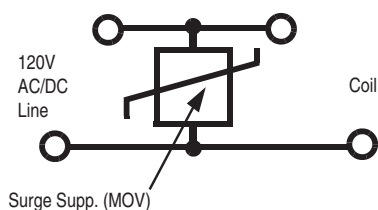
Tie-Point Block
 (Cat. No. 1492-JD3C)

Incorporates a shunt bar between the upper and lower current bars to provide a common point among all four terminals.



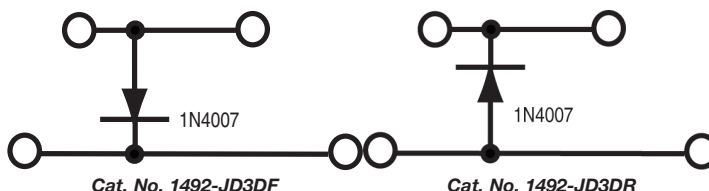
Surge Suppression Block (Cat. No. 1492-JD3SS)

Provides a convenient means of incorporating transient suppression for relays, contactors, and solenoids into a control system.



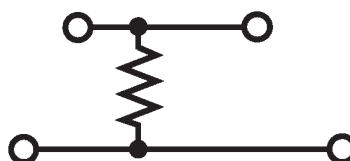
Diode Block
 (Cat. Nos. 1492-JD3DF, 1492-JD3DR)

Uses a 1N4007 diode between the upper and lower levels for insertion into a control circuit. This block is useful in low voltage DC control circuits for directioning and suppression.



Resistor Block
 (Cat. No. 1492-JD3RB, -JD3RC001)

Permits the introduction of a 10 Ω ...4.75 M Ω resistor into a control circuit.



- **Return Blocks** that have both terminations on the same side of the terminal block allowing the rail to be mounted next to the wall of an enclosure
- **Plug-In Style Blocks** that allow the insertion of removable plugs into control circuits. Available plugs include a Disconnect Plug, a Fuse Plug, and a Component Plug which will accommodate various electrical components.
- **Thermocouple Terminal Blocks** (Types B, E, J, K, N, S, T) for temperature control applications
- A wide variety of **Snap-In Markers** for individual or group circuit identification
- Multi-pole insulated **Center Jumpers** which provide a convenient method of commoning control circuits

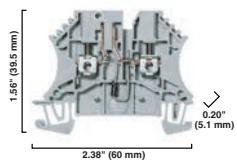
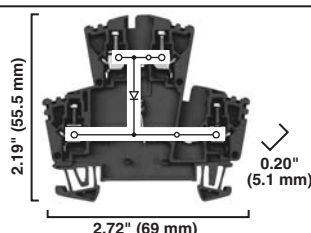
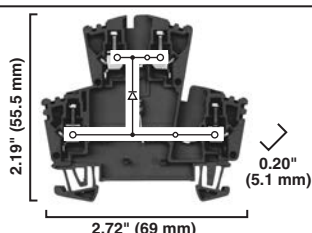
Materials and Design Features

The Bulletin 1492-J line is designed for safety, installation ease, and ruggedness. Features using these design criteria include the following:

- Tin-plated terminals and steel screws for corrosion resistance (Bulletin 1492-W terminal blocks have nickel-plated terminals and stainless steel screws)
- High copper content copper alloy for excellent conductivity
- Four-sided wire funnel guides for easy wire insertion
- Finger-safe housings to prevent accidental contact with live circuits
- International approvals for worldwide use
- DIN Rail (Cat. No. 199-DR1) mountability, allowing terminal blocks to be placed on the same channel as contactors, starters, relays, and other DIN Rail-mounted control devices
- Self-extinguishing, polyamide 6.6 housing material with UL 94-V0 flammability rating (Bulletin 1492-W terminal blocks have UL 94-V2 flammability rating)
- Backed out screws for fast wiring

Screw Connection Terminal Blocks

Internal Component Blocks

	1492-J3DF			1492-JD3DF*			1492-JD3DR*		
Dimensions are not intended to be used for manufacturing purposes. Note: Height dimension is measured from top of rail to top of terminal block.									
Specifications	Single-level diode forward terminal block with test plug sockets			Two-Level terminal block with a diode in forward bias between the levels.			Two-Level terminal block with a diode in reverse bias between the levels.		
Certifications		CSA	IEC		CSA	IEC		CSA	IEC
Voltage Rating	300V AC/DC		500V AC/DC	600V AC/DC	300V AC/DC	400V AC/DC	600V AC/DC	300V AC/DC	400V AC/DC
Diode Reverse Voltage Rating	—			1000V			1000V		
Maximum Current	20 A	10 A	6 A	20 A	10 A	—	20 A	10 A	—
Diode Current*	—			1 A			1 A		
Resistor Type	—			—			—		
Resistor Value	—			—			—		
Current through Busbar	10 A	1 A	14 A	10 A			10 A		
Wire Range (Rated Cross Section)	#26...12 AWG		0.5...2.5 mm ²	#22...12 AWG	#26...12 AWG	2.5 mm ²	#22...12 AWG	#26...12 AWG	2.5 mm ²
Wire Strip Length	0.394 in. (10 mm)			0.39 in. (10 mm)			0.39 in. (10 mm)		
Recommended Tightening Torque	4.4...6.2 lb•in (0.5...0.7 N•m)			4.5...7.1 lb•in (0.5...0.8 N•m)			4.5...7.1 lb•in (0.5...0.8 N•m)		
Density	59 pcs/ft (196 pcs/m)			59 pcs/ft (196 pcs/m)			59 pcs/ft (196 pcs/m)		
Housing Temperature Range	-58...+248 °F (-50...+120 °C)			-58...+248 °F (-50...+120 °C)			-58...+248 °F (-50...+120 °C)		
Short-Circuit Current Rating	See [T-8479231]								
Terminal Blocks	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.
Color: Black	1492-J3DF		50	1492-JD3DF		1	1492-JD3DR		1
Accessories	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.	Cat. No.		Pkg Qty.
Mounting Rails:									
1 m Symmetrical DIN (Steel)	199-DR1		10	199-DR1		10	199-DR1		10
1 m Symmetrical DIN (Aluminum)	1492-DR5		10	1492-DR5		10	1492-DR5		10
1 m Hi-Rise Sym. DIN (Aluminum)	1492-DR6		2	1492-DR6		2	1492-DR6		2
1 m Angled Hi-Rise Sym. DIN (Steel)	1492-DR7		2	1492-DR7		2	1492-DR7		2
End Barrier	1492-EBJ3		50	1492-EBJD3		20	1492-EBJD3		20
End Anchors:									
Screwless End Retainer	1492-ERL35		20	1492-ERL35		20	1492-ERL35		20
DIN Rail — Normal Duty	1492-EAJ35		100	1492-EAJ35		100	1492-EAJ35		100
DIN Rail — Heavy Duty	1492-EAHJ35		50	1492-EAHJ35		50	1492-EAHJ35		50
Jumpers:									
Screw Center Jumper — 10-pole	—		—	1492-CJJ5-10		20	1492-CJJ5-10		20
Screw Center Jumper — 4-pole	—		—	1492-CJJ5-4		50	1492-CJJ5-4		50
Screw Center Jumper — 3-pole	—		—	1492-CJJ5-3		50	1492-CJJ5-3		50
Screw Center Jumper — 2-pole	—		—	1492-CJJ5-2		50	1492-CJJ5-2		50
Insulated Side Jumper — 24-Pole	—		—	1492-SJ5A-24		50	1492-SJ5A-24		50
Insulated Side Jumper — 10-Pole	—		—	1492-SJ5A-10		50	1492-SJ5A-10		50
Screw Type Jumper Notching Tool	—		—	1492-T1		1	1492-T1		1
Other Accessories:									
Partition Plate	1492-SPJ3		50	1492-PPJD3		20	1492-PPJD3		20
Other Accessories:									
Test Plug	1492-TP23		20	—		—	—		—
Marking Systems:									
Snap-in marker card	1492-MR5X12 (120/card)		5	1492-M5X8 (144/card)		5	1492-M5X8 (144/card)		5
Snap-in marker card	1492-M5X12 (144/card)		5	1492-M5X5 (200/card)		5	1492-M5X5 (200/card)		5

* See page 12-97 for component specifications.

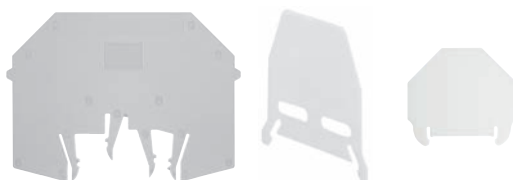
IEC Terminal Block Accessories

Partition and Separation Plates

Partition Plates and Separation Plates

Partition plates allow visual and electrical separation of terminal groups and provide the necessary electrical spacing between adjacent insulated jumpers or between exposed ends of cut jumpers.

Separation plates consist of flexible thermoplastic material and are used between terminal blocks to isolate adjacent center jumpers both visually and electrically.



Dimensions Width x Length x Height	For Use With	Color	Pkg Qty.	Cat. No.
Partition Plates				
0.118 x 3.15 x 2.48 in. (3 x 80 x 63 mm)	1492-JD3, JD3C, JD3F, JD3DF, JD3DR, JD3RC..., JD3SS	Grey	20	1492-PPJD3
0.005 x 3.54 x 2.51 in. (0.13 x 90.1 x 63.8 mm)	1492-JD3P..., JDG3P...	Beige	20	1492-PPJD3P
0.08 x 1.57 x 1.20 in. (2 x 40 x 30.5 mm)	1492-WM3, WM4, WMG3, WMG4	Grey	50	1492-PPM3
0.014 x 2.28 x 1.51 in. (0.35 x 58 x 38.3 mm)	1492-WMD1	Grey	50	1492-PPMD1
0.06 x 1.85 x 1.57 in. (1.5 x 47 x 40 mm)	1492-W3, W4, WG4	Grey	50	1492-PP3
0.06 x 2.17 x 1.81 in. (1.5 x 55 x 46 mm)	1492-W6, W10, W16S, W4TW, WG6, WG10S, WG16S	Grey	50	1492-PP10
0.014 x 2.88 x 1.85 in. (0.35 x 73.2 x 47.1 mm)	1492-WTF3..., WTS3...	Beige	50	1492-PPTS3
0.06 x 1.93 x 2.36 in. (1.5 x 49 x 60 mm)	1492-J3, J4, J6, J10, J2Q, J3TW, J3F, JG2Q, JG3, JG3TW, JKD3, JKD3TP, J3P, J3PTP, JTC3	Grey	20	1492-EBJ16
		Blue	20	1492-EBJ16-B
		Yellow	20	1492-EBJ16-Y
Separation Plates				
.014 x 1.76 x 1.57 in. (0.35 x 44.8 x 40.0 mm)	1492-W3, W4	Beige	50	1492-SP3
	All 1492-FPK2 Fuse Plugs	Beige	50	1492-SPJ3

IEC Terminal Block Accessories

Jumpers

Side Jumpers

For Use With	Pkg Qty.	Cat. No.
1492-WM4, W4	50	1492-N42
1492-H4, H5, H6, H7	10	1492-N49
	10	* 1492-SJS
1492-W3, WR3	10	1492-SJ5-10
1492-JD3, JD3C, JD3F, JDG3, JD3DF, JD3DR, JD3SS, JDG3P	50	1492-SJ5A-10
1492-JD3, JD3C, JD3F, JDG3, JD3DF, JD3DR, JD3SS, JDG3P	50	1492-SJ5A-24
1492-JD3, JD3C, JD3F, JDG3, JD3DF, JD3DR, JD3SS, JDG3P	50	1492-SJ5B-24
1492-JD3, JD3C, JD3F, JDG3, JD3DF, JD3DR, JD3SS, JDG3P	50	1492-SJ5B-10
1492-WM4, W4, W4TW	10	⚡ 1492-SJ6-10
1492-JT3M	5	1492-SJ6A-50
1492-W10	10	1492-SJ8-10
1492-JD3FB, JDG3FB	50	1492-SJ8A-4
1492-JD3FB, JDG3FB	50	1492-SJ8A-3
1492-JD3FB, JDG3FB	50	1492-SJ8A-2
1492-LMP3, LMP3Q, LMJ3, LM3, LM3Q, LMP3E, LMP3QE	50	1492-SJLM5-2
1492-WMD1	10	‡ 1492-SJMD5-12
1492-WFB4, WFB424, WFB4250	10	1492-SJFB8-10
1492-WM3	10	1492-SJM5-10
1492-WTF3, WTS3, WTF3LP, WTS3LP, WTF3LP, WTF3LN, WTS3LN	10	1492-SJT5-20-R
1492-WTF3, WTS3, WTF3LP, WTS3LP, WTF3LP, WTF3LN, WTS3LN	10	1492-SJT5-20-B

Note: Side jumpers carry the same current rating as the terminal block used with it

* Side jumper insulating sleeve only for use with Cat. No. 1492-N49

⚡ Use jumper on single side of terminal block only

‡ Uninsulated

Two-Level Jumper

For Use With	Pkg Qty.	Cat. No.
1492-LTF3 (Connects Two Levels within a 1492-LTF3 Terminal Block)	20	1492-CJL5D



IEC Terminal Block Accessories

Specifications

Maximum number of multiple wire connections for copper conductors of the same cross-section and type for Allen-Bradley IEC Terminal Blocks. Cat. Nos. 1492-J and L products are all recommended for one conductor per terminal. Wire range is defined in the cat. page for each of the products.

In general, accessories for terminal blocks are not eligible for recognition by UL, CSA, or other third party approval agencies. The suitability of the installation must be judged in the end use application due to the wide variety of possible uses. However, accessories are designed to meet, and are tested to, the terminal block assembly requirements such as electrical spacings, etc.

Cat. No.	Wire Size [AWG]																		
	#30	#28	#26	#24	#22	#20	#18	#16	#14	#12	#10	#8	#6	#4	#2	#1	1/0	2/0	3/0
	Number of the Same Size Wires Per Terminal																		
1492-CA1	—	—	—	—	4	4	4	3	2	2	1	1	—	—	—	—	—	—	—
1492-CAM1	—	—	—	—	4	4	4	3	2	2	1	1	—	—	—	—	—	—	—
1492-H4	1	1	1	1	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-H5	1	1	1	1	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-H6	1	1	1	1	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-H7	1	1	1	1	4	4	3	2	2	1	1	—	—	—	—	—	—	—	—
1492-HM3	—	—	—	—	4	4	4	3	2	2	1	1	—	—	—	—	—	—	—
1492-J10	—	—	—	—	4	4	4	4	3	2	1	1	1	—	—	—	—	—	—
1492-J16	—	—	—	—	—	—	1	4	4	3	2	1	1	1	—	—	—	—	—
1492-J2Q	—	—	4	4	4	3	1	1	1	1	—	—	—	—	—	—	—	—	—
1492-J3	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-J35	—	—	—	—	—	—	—	—	3	3	3	2	2	1	1	1	1	—	—
1492-J3F	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-J3P	4	4	4	4	3	3	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-J3TW (single side)	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-J3TW (twin side)	—	—	4	4	4	3	1	1	1	—	—	—	—	—	—	—	—	—	—
1492-J4	—	—	—	—	4	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-J4CTB	—	—	1	1	4	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-J4Q	1	1	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-J4TW	1	1	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-J50	—	—	—	—	—	—	—	—	—	—	1	2	2	1	1	1	1	—	—
1492-J6	—	—	—	—	4	4	3	3	3	2	1	1	—	—	—	—	—	—	—
1492-J70	—	—	—	—	—	—	—	—	5	5	5	2	2	2	1	1	1	1	1
1492-JC3	—	—	4	4	4	3	1	1	1	1	—	—	—	—	—	—	—	—	—
1492-JD3	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3DF	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3DR	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3F	4	4	4	4	4	4	3	1	1	1	—	—	—	—	—	—	—	—	—
1492-JD3FB	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-JD3PSS	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JD3PSSTP	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JD3PTP	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JD3RB***	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3RC001	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD3SS	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JD4	—	—	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JD4C	—	—	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—
1492-JDC3	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JDG3	4	4	4	4	4	4	3	2	2	1	—	—	—	—	—	—	—	—	—
1492-JDG3FB	4	4	4	4	4	4	3	3	2	1	—	—	—	—	—	—	—	—	—
1492-JDG3P	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JDG3PSS	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JDG3PSSTP	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JDG3PTP	—	—	—	—	4	4	3	2	1	1	—	—	—	—	—	—	—	—	—
1492-JDG4	—	—	1	1	1	4	3	3	2	1	1	—	—	—	—	—	—	—	—

Tie Point Terminal Blocks — Type JD3C, LD2C, LD3C, and LD4C

	The total current flow through these terminal blocks (the sum of all inputs or the sum of all outputs) must not exceed the rated current for the device.
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Description	Type	Rating
Maximum total current flow through the terminal block	LD2C	10 A
	JD3C, LD3C	20 A
	LD4C	25 A
Maximum working voltage	LD2C	300V
	JD3C, LD3C, LD4C	600V
Ambient temperature range	Operating	-4...+104 °F (-20...+40 °C)
	Storage	-40...+167 °F (-40...+75 °C)

Diode Terminal Blocks — Type JD3DR, JD3DF, LD4DF, and LD4DR✱

Description	Symbol	Type	Rating
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V (RRM) V (RWM) V (R)	JD3DF, JD3DR, LD4DF, LD4DR	600V
Non-Repetitive Peak Reverse Voltage (Halfwave, single phase, 60 Hz)	V (RSM)	JD3DF, JD3DR, LD4DF, LD4DR	600V
RMS Reverse Voltage ✱	V (Rms)	JD3DF, JD3DR, LD4DF, LD4DR	600V
Average Rectified Forward Current Single Phase, Resistive Load, 60 Hz	I (O)	All	1.0 A
Non-Repetitive Peak Surge Current (Surge applied at rated load)	I (FSM)	All	30 A (1 cycle)
Maximum Forward Voltage Drop [I (F) = 1.0 A]	V (F)	All	1.1V
Maximum Reverse Current	I (R)	All	10 µA
Ambient temperature range	Operating	T (A)	-4...+104 °F (-20...+40 °C)
	Storage	T (S)	-40...+167 °F (-40...+75 °C)

All parameters measured at 77 °F (25 °C).

✱ Performance Data — See this catalog, page Important-3. Performance data given in this catalog is provided as a guide for the user in determining suitability and does not constitute a warranty. It may represent the result of accelerated testing at elevated stress levels and the user should correlate it to actual application requirements. Actual performance is subject to Allen-Bradley WARRANTY and LIMIT OF LIABILITY.

✱ The maximum voltage rating of the diode terminal blocks listed in the above table should not be exceeded even though the maximum reverse voltage rating of the diode alone is 1000V.

Surge Suppressor Performance Characteristics and Electrical Component Data✱

Surge Suppressor Terminal Blocks	
Performance Characteristic	Cat. No. JD3SS, JD3PSS, JD3SSSTP, JDG3PSS, JDG3PSSTP, LD4SS
Nominal Working Voltage (Volts AC or DC)	120
Maximum AC Working Voltage RMS Continuous (60 Hz)	140
Maximum DC Working Voltage Continuous	180
Maximum Clamping Voltage at Current I_p (8/20 µs Pulse)	360V $I_p = 10 A$
Maximum Voltage Rate of Rise Bulletin 100 Contactors Types A38...B180 Bulletin 500 Contactors & Starters, Size 0...5 Bulletin 700 Relays	—
Peak Current (8/20 µs Pulse)	1200 A
Typical Leakage Current at Nominal AC Working Voltage	< 0.1 mA
Metal Oxide Varistor (MOV) Maximum Clamping Voltage at Current I_p (8/20 µs Pulse) Maximum Transient Energy Maximum Power Dissipation	10 J 0.25 W